INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29827

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B66B 13/12, 13/16 US CL : 187/309, 319, 330, 335, 401 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 187/309, 319, 330, 335, 401, 316, 317					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim it				
A US 3,447,704	US 3,447,704 A (Guilbert, Jr.) 03 June 1969 (03.06.1969), whole document.				
. A US 4,926,975	US 4,926,975 A (Morris) 22 May 1990 (22.05.1990), whole document. NONE				
Further documents are	listed in the continuation of Box C.	See	patent family annex.		
Special categories of control categories of control categories.	ited documents;		r document published after the in		
"A" document defining the general of particular relevance	nt defining the general state of the art which is not considered to be cular relevance		date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be		
"E" earlier application or patent pu	iblished on or after the international filing date		sidered novel or cannot be considen the document is taken alone	ered to involve an inventive step	
L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		cons	considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
"O" document referring to an oral	disclosure, use, exhibition or other means	bein	ng obvious to a person skilled in t	he art	
priority date claimed	priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report			
23 February 2004 (23.02.2004)			#I APK	ZUU4	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Eileen D. Lillis Telephone No. 703-308-1113			

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